

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/627974	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 14:59
L2	277854	(3d or "three adj dimensional" or "3 dimensional")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L3	173	715/850.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L4	79	L3 and L2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L5	2	11/327373	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L6	277854	(3d or "three adj dimensional" or "3 dimensional")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23

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L7	41	(L6 with (editing or creating)) and (widget or "gui element" or "graphical user interface element" or indicator or icon or coordinate\$4) same ((up and down) or (left and right) or (front and back) or side) and (orientation) and (direction) and (control) and (indicating)	USPAT	SAME	ON	2008/01/04 10:23
L8	2158	345/419.ccls.	USPAT	SAME	ON	2008/01/04 10:23
L9	4	L8 and (change with viewport)	USPAT	SAME	ON	2008/01/04 10:23
L10	56	"345".clas. and (change with viewport)	USPAT	SAME	ON	2008/01/04 10:23
L11	31	("4360831" "4600200" "4631691" "4646075" "4727365" "5276785" "5359703" "5422989" "5608850" "5689628" "5808613").PN. OR ("6346938").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2008/01/04 10:23
L12	4	"715".clas. and (L7)	USPAT	SAME	ON	2008/01/04 10:23
L13	7	("5821942" "5995903" "6078329" "6130672" "6268862" "6322448").PN. OR ("6597380").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2008/01/04 10:23
L14	103	(L6 with (editing or creating)) and (widget or "gui element" or "graphical user interface element" or indicator or icon or coordinate\$4) same ((up and down) or (left and right) or (front and back) or side)	USPAT	SAME	ON	2008/01/04 10:23
L15	16	L14 and L8	USPAT	SAME	ON	2008/01/04 10:23
L16	0	("2005/0028111").URPN.	USPAT	SAME	ON	2008/01/04 10:23
L17	58	(L6 with (editing or creating)) and (widget or "gui element" or "graphical user interface element" or indicator or icon or coordinate\$4) same ((up and down) or (left and right) or (front and back) or side) and (orientation) and (direction) and (control)	USPAT	SAME	ON	2008/01/04 10:23
L18	95	(L6 with (editing or creating)) and (widget or "gui element" or "graphical user interface element" or indicator or icon or coordinate\$4) same ((up and down) or (left and right) or (front and back) or side) and (click or select or pick or choose)	USPAT	SAME	ON	2008/01/04 10:23

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L19	45	(widget or "graphical user interface element" or "gui element" or indicator or icon or coordinate\$4) same ((L6) with ("scene orientation" or position or point or area)) same (left or right or back or behind or up or down or front)	USPAT	SAME	ON	2008/01/04 10:23
L20	8	"715".clas. and (L17)	USPAT	SAME	ON	2008/01/04 10:23
L21	0	(widget or "graphical user interface element" or "gui element" or indicator or icon or coordinate\$4) same ((L6) with scene orientation position point area) same (left right back behind up down front)	USPAT	SAME	ON	2008/01/04 10:23
L22	0	(widget or "graphical user interface element" or "gui element" or indicator or icon) with ((L6) near2 scene orientation) with (direction\$1 or indicat\$4 or control\$1)	USPAT	SAME	ON	2008/01/04 10:23
L23	1	(widget or "graphical user interface element" or "gui element" or indicator or icon) same ((L6) with scene orientation) same (direction\$1 or indicat\$4 or control\$1)	USPAT	SAME	ON	2008/01/04 10:23
L24	0	(widget or "graphical user interface element" or "gui element" or indicator or icon or coordinate\$4) same ((L6) with scene orientation position point area)	USPAT	SAME	ON	2008/01/04 10:23
L25	0	(widget or "graphical user interface element" or "gui element" or indicator or icon or coordinate\$4) same ((L6) with scene orientation position point area) same (left or right or back or behind or up or down or front)	USPAT	SAME	ON	2008/01/04 10:23
L26	21	"715".clas. and (L14)	USPAT	SAME	ON	2008/01/04 10:23
L27	118	x with y with z same indicator same orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23

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L28	4	x with y with z same (3d or "three dimensional") with indicator same orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L29	1429	x with y with z same (3d or "three dimensional") same orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L30	62	x with y with z same (3d or "three dimensional") with control same orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 10:23
L31	1	("3d" or "three dimensional" or "three dimension" or "3dimensional" or "3dimension") with orientation with icon with select	USPAT	SAME	ON	2008/01/04 10:23
L32	17	viewer with orientation with indicator	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L33	18	("5179656" "5608849" "5734384" "5734805" "5835692" "5943037").PN. OR ("6049622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L34	19	("3d" or "three dimensional" or "three dimension" or "3dimensional" or "3dimension") with orientation with icon	USPAT	SAME	ON	2008/01/04 10:23
L35	23	("4539585" "4730260" "4845641" "4852184" "4991005" "5280570" "5592248" "5983201" "5999185" "6072496" "6095650" "6111581" "6142628" "6144388" "6208347" "6226001" "6231188" "6492986" "6518963" "6529192" "6563499" "6664956").PN. OR ("7016824").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L36	5978	("3d" or "three dimensional" or "three dimension" or "3dimensional" or "3dimension") with orientation	USPAT	SAME	ON	2008/01/04 10:23

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L37	109	("3510210" "3621214").PN. OR ("4539585").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L38	1	viewer with orientation with indicator with select\$5	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L39	1	"viewer orientation indicator"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L40	13	("4685070" "4811240" "5079723" "5122717" "5303388" "5347628" "5424938" "5430839" "5432531" "5436637" "5437009").PN. OR ("5943037").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:23
L41	18	("5179656" "5608849" "5734384" "5734805" "5835692" "5943037").PN. OR ("6049622").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 10:38
L42	23	("4539585" "4730260" "4845641" "4852184" "4991005" "5280570" "5592248" "5983201" "5999185" "6072496" "6095650" "6111581" "6142628" "6144388" "6208347" "6226001" "6231188" "6492986" "6518963" "6529192" "6563499" "6664956").PN. OR ("7016824").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 11:32
L45	93188	(change view) with orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:34
L46	9	(widget) with ((change view) with orientation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:38
L47	4547	(control) with ((change view) with orientation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:40

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L48	5561	(element) with ((change view) with orientation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:35
L49	9606	46 47 48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:35
L50	759	49 and cones	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:35
L51	1	(control element widget) with orient with view with (3d "threedimensional" "three dimensional" "3 dimensional" "3dimensional") with (scene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:39
L52	1	(control element widget) with orient with view with (3d "threedimensional" "three dimensional" "3 dimensional" "3dimensional") with (scene viewport)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:39
L53	2	(control element widget) with orient with view with (3d "threedimensional" "three dimensional" "3 dimensional" "3dimensional")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:39
L54	45	(control) with ((change view) with orientation) with (viewport scene)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:40

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L55	119	(control) with ((change view) with orientation) with (viewport scene enviroment VE virtual)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:41
L56	80	(control) with ((change view) with orientation) with (viewport scene enviroment VE virtual) and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:44
L57	74	(control) with ((change view) with orientation) with (viewport scene enviroment VE virtual) and camera and (front back side top bottom)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:42
L58	1	(control) with ((change view) with orientation) with (viewport scene enviroment VE virtual) and camera and (front back side top bottom) and (editing edit) with (object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:43
L59	1	(control) with ((change view) with orientation) with (viewport scene enviroment VE virtual) and (editing edit) with (object)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:43
L60	6	56 and "715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/04 11:44
L61	11	("5107443" "5276785" "5555354" "5608850" "5689628" "6064393" "6094196" "6154723" "6157747" "6330008" "6344861").PN. OR ("7148892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 11:47
L62	18	(3d navigation.ti.) or (3d orientation control).ti.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/01/04 11:48

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L63	18	(3d navigation).ti. or (3d orientation control).ti.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/01/04 11:49
L64	1	"7042449".pn.	US-PGPUB; USPAT; USOCR	WITH	ON	2008/01/04 11:50
L65	7	("5515486" "5602564" "5678015" "5898435" "6002403" "6046749" "6094237").PN. OR ("6774914").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 11:52
L66	6	("4835528" "5581665" "5588098" "5825365").PN. OR ("6046749").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 11:56
L67	27	("5428721").PN. OR ("5588098").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 12:01
L68	10	("4835528" "5396590" "5581665" "5588098" "5734805" "5825365" "5861889" "6304855").PN. OR ("6801217").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 12:01
L69	38	("4734690" "5019809" "5303337" "5345543" "5396590" "5414802" "5422897" "5432894" "5463722" "5511157" "5513309" "5515486" "5524196" "5588098").PN. OR ("5861889").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 12:12
L70	1	"6597382".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 12:12
L71	7	("5821942" "5995903" "6078329" "6130672" "6268862" "6322448").PN. OR ("6597380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/04 14:40
L72	546	"view compass"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:00
L73	149	"view compass" and orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:00

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L74	2	73 and "715".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:01
L75	546	view adj compass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:01
L76	149	view adj compass and orientation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:01
L77	8	view adj compass and orientation and 3d	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:01
L78	51	view adj compass and orientation and navigation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:02
L79	9	view adj compass and orientation and navigation and (3d or threedimensional or 3dimensional or "three dimensional" or "3 deminsional")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:03
L80	18	view adj compass and orientation and (3d or threedimensional or 3dimensional or "three dimensional" or "3 deminsional")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2008/01/04 15:03

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1. Haptic task constraints for 3D interaction

Komerska, R.; Ware, C.;

Haptic Interfaces for Virtual Environment and Teleoperator Systems, 2003. HAPTICS 2003. Proceedings. 11th Symposium on 22-23 March 2003 Page(s):270 - 277

Abstract:

We have created a haptically enabled fish tank VR that we call Haptic-GeoZui3D that utilizes a set of haptic widget and data object elements to support rapid and intuitive interaction within a large geographical data space. We leverage the center of workspace navigation metaphor with a Phantom 1.0 haptic device situated in a fish tank VR arrangement to provide a synergistic environment for developing, demonstrating and evaluating these haptic elements. We have developed several principles to guide our effort, chief of which is the notion that haptic forces should be used to provide constraints on user tasks, rather than mimic physical object forces. This paper provides a detailed overview of Haptic-GeoZui3D and its application in path planning for Autonomous Undersea Vehicles (AUVs), as well as some ideas for future development.

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